

ABSTRACT

A computer program product, apparatus, and method for correcting errors introduced into a set of data bits during transmission of the set of data bits over a channel includes determining a confidence measure for each data bit based only on the values of one or more of the data bits, each confidence measure representing the probability that the value of the corresponding data bit is correct; and changing the value of a given data bit when the confidence measure for the given data bit indicates that the value of the given data bit is not correct, thereby producing a corrected data bit.